

AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – Hydrocarbon Liquid Loading

Please use the Fuel Dispensing Station APEN to report emissions from service stations and fleet refueling stations.

Permit Number: _____

[Leave blank unless APCD has already assigned a permit # & AIRS ID]

Emission Source AIRS ID: _____ / _____ / _____

Facility Equipment ID: _____ [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

Section 01 – Administrative Information

Company Name: _____ NAICS, or
Source Name: _____ SIC Code: _____
Source Location: _____ County: _____
Elevation: _____ Feet
Mailing Address: _____ ZIP Code: _____
Person To Contact: _____ Phone Number: _____
E-mail Address: _____ Fax Number: _____

Section 03 – General Information

For existing sources, operation began on: _____ / _____ / _____ For new or reconstructed sources, the projected startup date is: _____ / _____ / _____
Normal Hours of Source Operation: _____ hours/day _____ days/week _____ weeks/year
General description of equipment and purpose: _____

- Is this source located at an oil and gas exploration and production site? ☐ Yes ☐ No ☐ Don't know
If yes, does this source load less than 10,000 gallons of crude oil per day on an annual average, splash fill less than 6750 BBL of condensate (hydrocarbon liquids that have an API gravity of 40 degrees or greater) per year or submerge fill less than 16,308 BBL of condensate per year? ☐ Yes ☐ No ☐ Don't know
► Is this source located at a facility that is considered a Major Source of Hazardous Air Pollutant (HAP) emissions? ☐ Yes^A ☐ No ☐ Don't know
► Will this equipment be operated in any NAAQS nonattainment area? (<http://www.cdphe.state.co.us/ap/attainmaintain.html>) ☐ Yes^B ☐ No ☐ Don't know
► Does this source load gasoline into transport vehicles? ☐ Yes^C ☐ No ☐ Don't know
^A If "Yes", this source may be subject to 40 CFR 63, Subparts EEEE, CC, and R. Provide an applicability determination of these rules.
^B If "Yes", this source may be subject to Regulation No. 3, Part B, Section III.D.2. Provide an applicability determination of these rules.
^C If "Yes", this source may be subject to Regulation No. 7, Section VI.C, 40 CFR 63 Subpart BBBB or Subpart XX. Provide an applicability determination of these rules.

Section 04 – Loading Information

Product Loaded: _____
This product is loaded from tanks at this facility into: _____ (e.g., "rail tank cars," or "tank trucks")
Number of Loading Bays: _____ Pump Capacity in Each Bay: _____ gallons /min.
► If this APEN is being filed for vapors displaced from cargo carrier, complete the following:
Annual Volume Loaded: Requested¹: _____ bbl/year Actual calendar year: _____ bbl/year
Saturation Factor²: _____ Average Temperature of Bulk Liquid Loaded: _____ °F
True Vapor Pressure: _____ psia @ 60 °F Molecular Weight of Displaced Vapors: _____ Lb/lb-mol
► If this APEN is being filed for vapor losses from pressurized loading lines, complete the following:
Loads per year: Requested¹: _____ #/yr. Actual Calendar Year: _____ #/yr. Product Density: _____ Lb/ft³
Load Line Volume³: _____ Ft³/truckload Vapor Recovery Line Volume³: _____ Ft³/truckload

¹ Requested values will become permit limitations.

² Please refer to AP-42, Table 5.2-1 for information on saturation factors (found online at: <http://www.epa.gov/ttn/chief/ap42/ch05/index.html>).

³ List the total volume for all lines in each category and attach your calculations of these volumes.

Section 02 – Requested Action (Check applicable request boxes)

- ☐ Request for NEW permit or newly reported emission source
☐ Request MODIFICATION to existing permit (check each box below that applies)
☐ Change process or equipment ☐ Change company name
☐ Change permit limit ☐ Transfer of ownership ☐ Other
☐ Request to limit HAPs with a Federally enforceable limit on PTE
☐ Request APEN update only (check the box below that applies)
☐ Revision to actual calendar year emissions for emission inventory
☐ Update 5-Year APEN term without change to permit limits or previously reported emissions

Addl. Info.

& Notes: _____

Colorado Department of Public Health and Environment Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

Mail this form along with a check for \$152.90 to:
Colorado Department of Public Health & Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530

For guidance on how to complete this APEN form:

Air Pollution Control Division: (303) 692-3150
Small Business Assistance Program (SBAP): (303) 692-3148 or (303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>

Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

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Section 05 – Stack Information (Combustion stacks must be listed here)

Operator Stack ID No.	Stack Base Elevation (feet)	Stack Discharge Height Above Ground Level (feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)

Direction of stack outlet (check one): ☐ Vertical ☐ Vertical with obstructing raincap

Exhaust Opening Shape & Size (check one): ☐ Circular: Inner Diameter (inches) = _____ ☐ Other: Length (inches) = _____ Width (inches) = _____

Section 06 – Stack (Source, if no combustion) Location (Datum & either Lat/Long or UTM)

Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

☐ Horizontal ☐ Down ☐ Other (Describe): _____

Section 07 – Control Device Information

☐ **Vapor Recovery Unit (VRU)** used for control of the loadout emissions.

Size: _____ Make/Model: _____

Requested VOC & HAP Control Efficiency: _____ %

Annual time that VRU is bypassed (emissions vented): _____ %

The VRU recycles loadout emissions to : _____

☐ **Combustion Device** used for control of the loadout emissions.

Rating: _____ MMBtu/hr

Type: _____ Make/Model/Serial #: _____

VOC & HAP Control Efficiency: Requested: _____ % Manufacturer Guaranteed: _____ %

Minimum temp. to achieve requested control: _____ °F Waste gas heat content: _____ Btu/scf

Constant pilot light? ☐ Yes ☐ No Pilot burner rating: _____ MMBtu/hr

☐ Describe Any Other: _____

Section 08 – Emissions Inventory Information & Emission Control Information

☐ Emission Factor Documentation attached

Data year for actual calendar year emissions below & throughput in Sec. 04 (e.g. 2007):

Pollutant	Control Device Description		Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions ⁴		Requested Permitted Emissions ⁵		Estimation Method or Emission Factor Source
	Primary	Secondary		Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
NO _x	Identify in Section 07									
VOC										
CO										
Benzene										
Toluene										
Ethylbenzene										
Xylene										
n-Hexane										
Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.										

⁴ Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

⁵ If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 08.

Section 09 – Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data

Date

Name of Legally Authorized Person (Please print)

Title